

















Anti-IgE Antibodies: Light Chain (VL and CL Domains)

10 20 30 40 50 60 70 80 BD DIQLTQSPSS LSASVGDRVT ITC[RASQSVD YDGDSYAM]WY QQKPGKAPKL LIY[AASYLES] GVPSRFSGSG SGTDFTLTIS DIQLTQSPSS LSASVGDRVT ITC[RASKRVD GRSDSYAM]WY QQKPGKAPKL LIY[AASYLES] GVPSRFSGSG SGTDFTLTIS DILLTQSPGT LSLSBYGBRAT LSC RASOSIG TNIH WY QQKPGQAPRL LIK VASTESTS GTDFTLTIS	90 110 C _L starts SLQPEDFATY YC[<u>QOSHEDPY T</u>]FGQGTKVEI KRT VAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQD. SLQPEDFATY YC[<u>QOSHEDPY T</u>]FGQGTKVEI KRT VAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQD BLEPEDFAMY YC <u>QOSDSWPM T</u> FGQGTKVEI KRT VAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQD	SKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC SKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC SKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC
	SLQPEDFA' SLQPEDFA' RUEPEDFA	SKDSTY; SKDSTYS SKDSTYS
E25 E26 Hu-901	E25 E26 Hu-901	E25 E26 Hu-901

-1G._ 10A

Anti-IgE Antibodies: Heavy Chain (VH and CH Domains)

								7/	7			
06	LOMNSLRAED	LQMNSLRAED	MELSSLRSED		TAVYYCAR[GS HYFGHWHFAV] WGQGTLVTVSS ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSS	WGQGTLVTVSS ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSS	TAVYYCAR <u>ES HESGSNYDYFDY</u> WGQGTLVTVSS ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSS	MYVDGVE	MYVDGVE	IWYVDGVE	DIAVEWE	DIAVEWE
80	SRDDSKNTFY	SRDDSKNTFY	TAPTISTINTIAY		ALTSGVHTFPA\	ALTSGVHTFPA\	ALTSGVHTFPA\	OVSHEDPEVKFN	OVSHEDPEVKFN	OVSHEDPEVKFN	SLTCLVKGFYPS	SLTCLVKGFYPS
70	NPSVKG]RITI	NPSVKG]RITI	NEKFIKA RAME		PEPVTVSWNSG	PEPVTVSWNSG.	PEPVTVSWNSG	SRTPEVTCVVVI	SRTPEVTCVVVI	SRTPEVTCVVVI	PSREEMTKNQVS	PSREEMTKNQV
a 60	[SIL XDGS LNX	[SIL YDGS TNY	EISPGTFTTINY		TAALGCLVKDYF	TAALGCLVKDYF	TAALGCLVKDYF	LFPPKPKDTLMI	LFPPKPKDTLMI	LFPPKPKDTLMI	GQPREPQVYTLF	SQPREPQVYTLP
50 a	APGKGLEWVA	APGKGLEWVA	APOFFICIEWVG [PLAPSSKSTSGG	PLAPSSKSTSGG	PLAPSSKSTSGG	PELLGGPSVF	APELLGGPSVF.	APELLGGPSVF	PIEKTISKAK	PIEKTISKAK
40	S[GYSWNW]IRQ APGKGLEWVA [SITYDGSTNY NPSVKG]RITI SRDDSKNTFY LQMNSLRAED	S[GYSWNW] IRQ APGKGLEWVA [SITYDGSTNY NPSVKG]RITI SRDDSKNTFY LQMNSLRAED	s <u>Mymle</u> m Vro apoeticlewyd <u>eispotettyny nekeky</u> a ranf rahtistyntay melsslrase	120 C _H starts	S ASTKGPSVFI	S ASTKGPSVF1	SS ASTKGPSVF)	${ m VVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVE$	VVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVE	VVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNMYVDGVE	VHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWE	VHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWE
30		SCAVS GYSIT S			WGQGTLVTVS		<u>y</u> wgogtlvtvs	SNTKVDKKVEPK	SNTKVDKKVEPK	SNTKVDKKVEPK	LTVLHQDWLNGK	LTVLHQDWLNGK
20	EVQLVESGGG LVQPGGSLRL SCAVS <u>GYSIT</u>	EVQLVESGGG LVQPGGSLRL SCAVSGYSIT	QVQLVQSGAB VKKPGASVKV SCKASGYLF-	110ab	HYFGHWHFAV]	TAVYYCAR[GS HYFGHWHFAV]	HESCINADYFD	QTY I CNVNHKP,	QTYICNVNHKP	QTYICNVNHKP	QYNSTYRVVSV	:QYNSTYRVVSV)
10	EVQLVESGGG	EVQLVESGGG	QVQLVQSGAE	100	TAVYYCAR [GS	TAVYYCAR [GS	TAVYYCAR FIS	VVTVPSSSLG1	VVTVPSSSLG1	VVTVPSSSLGI	VHNAKTKPREE	VHNAKTKPREE
	E25	E26	Hu-901		E25	E26	Hu-901	E25	E26	Hu-901	E25	E26

FIG._ 10B

VHNAKTKPREEQYNSTYRVVSVLTVLHQDMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWE

Hu-901

E25 E26 Hu-901

SNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSLSPGK SNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK SNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK